

ABSTRACT OF THE DISCLOSURE

[0029] A memory stores built-in images per bill denomination for a plurality of bill denominations. The built-in images may include a corresponding image for each of four corners for each of two sides of the bill denomination. A camera captures an image of a bill. A pattern recognizer matches the image of the bill to one of the built-in images in the memory. An output device reports the denomination of the bill based on the match from the pattern recognizer.